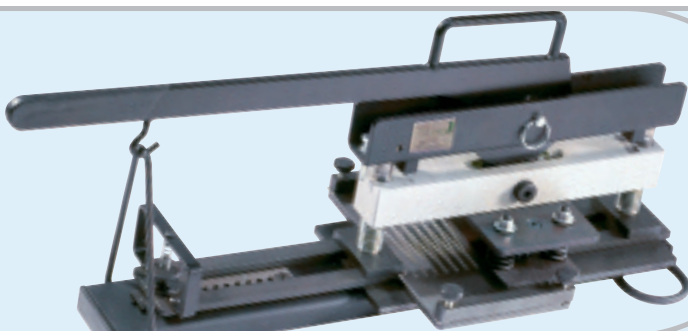
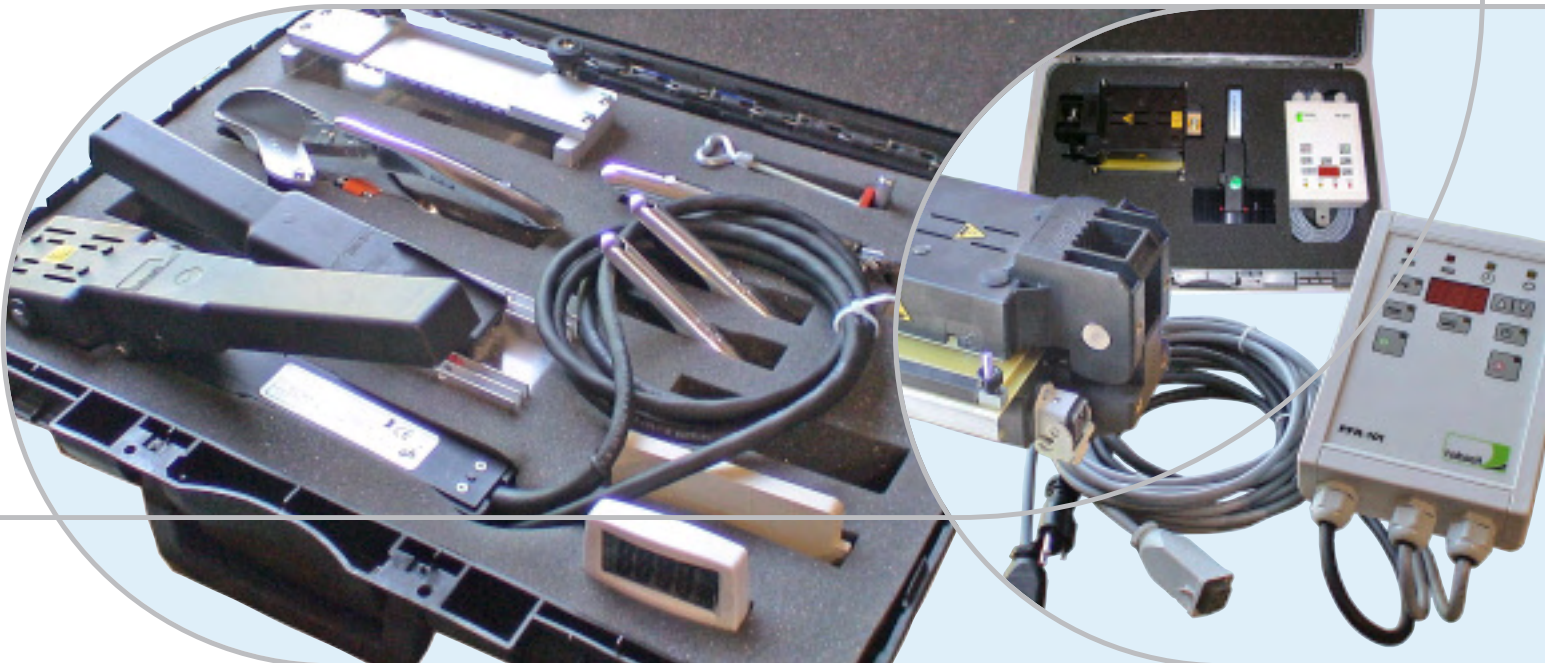


# HabaTOOL™ Fabrication Devices

Habasit-Solutions in motion



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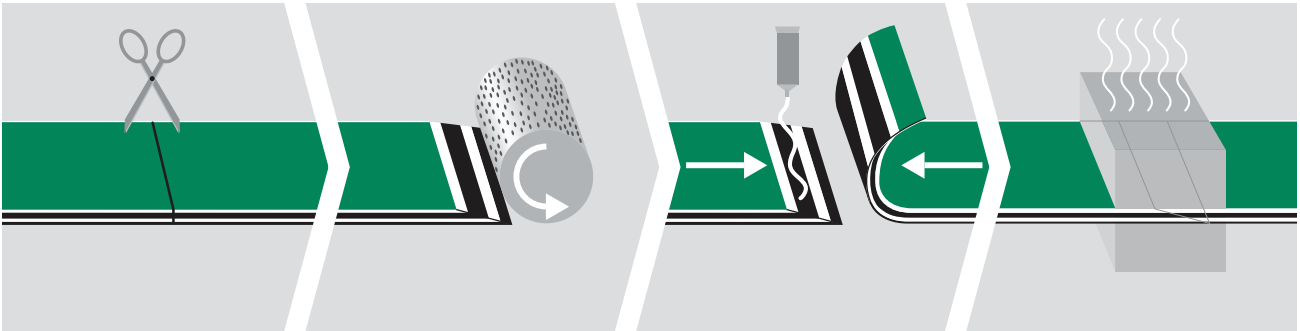
## Thermofix

Cut to dimensions

Skive

Apply adhesive

Hot-pressing



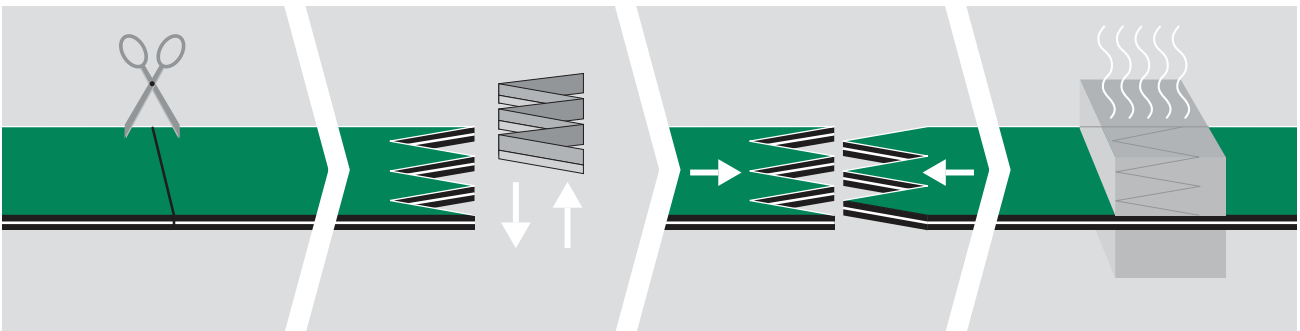
## Flexproof

Cut to dimensions

Die-cut/Finger-cut

Joining

Hot-pressing

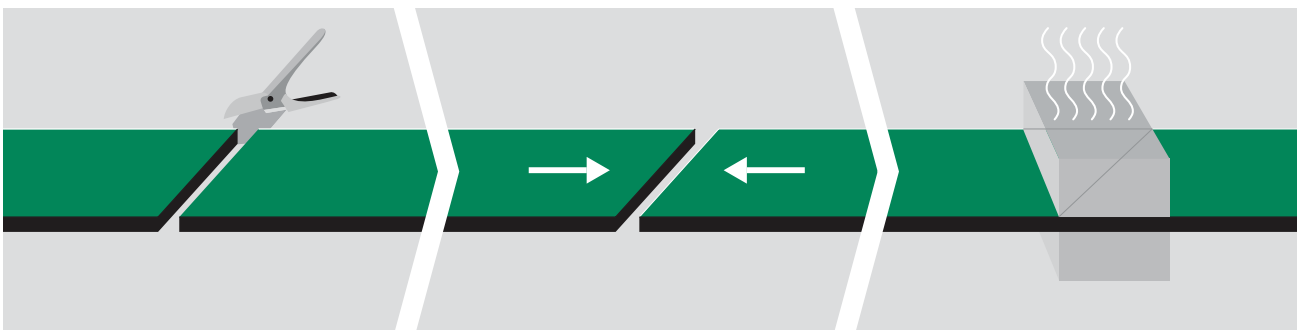


## Quickmelt

Cut to dimensions and angle

Joining

Hot-pressing



AQ - 40



Belt/tape width max.	40 mm	1.57 inches
Belt/tape thickness max.	3 mm	0.12 inches
Dimensions (LxWxH)	220 mm x 80 mm x 55 mm	8.7" x 3.2" x 2.2"
Weight net	0.3 kg	0.7 lbs.

This tool provides clean cutting of tapes at a 60 degree angle to prepare them for a Quickmelt joint. Tapes up to 40 mm wide and 3 mm thick can be cut to length using this tool.

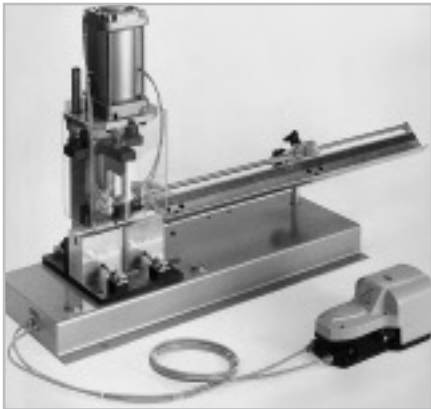
S - 16



Belt/tape thickness max.	15 mm diameter	0.5 inches diameter
Dimensions (LxWxH)	165 mm x 40 mm x 45 mm	6.5" x 1.6" x 1.8"
Weight net	0.2 kg	0.4 lbs.

This tool provides precise right angle cutting of round belts (Polycord, Habicord, Habibblue) to the required length before the Quickmelt joining procedure takes place. Th S - 16 can accommodate a belt up to 15 mm diameters thick.

## SL - 70



Belt/tape thickness max.	70 mm	2.76"
Compressed Air Supply	6 bar	87 psi
Dimensions (LxWxH)	410 mm x 1900 mm x 700 mm	16" x 75" x 28"
Weight net	85 kg	187 lbs.

This tool is a “guillotine” to cut profiles, thermoplastic round belts and thermoplastic v-belts to length. It features a pneumatically operated blade, two-hand button safety control, and a ruler with a stop block to precisely set length of the cut plastic profiles. It comes with a set of guiding blocks that fit a wide range of profiles. The SL - 70 is especially suitable for preparation of medium and large series profiles.

## SL - 300



Belt/tape width max.	300 mm	11.8 inches
Belt/tape thickness max.	10 mm	0.4 inches
Dimensions (LxWxH)	300 mm x 310 mm x 800 mm	12" x 12" x 31"
Weight net	45 kg	99 lbs.

This tool provides clean cutting of belts from 90 degrees to 75 degrees. Belts up to 300 mm wide and 10 mm thick can be cut to length using this tool.

SM - 120



Belt/tape width max.	120 mm	4.7 inches
Cutting width per operation	120 mm	4.7 inches
Belt/tape thickness max.	5 mm	0.2 inches
Electric Power supply	230Vx3, 400V	
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	750 mm x 1100 mm x 1800 mm	30" x 43" x 71"
Weight net	250 kg	551 lbs.

The SM - 120 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 120 mm and a thickness of 5 mm. It is especially suitable to cut sleeves (i.e. slitting after joining). Sleeves up to a length of 800 mm (32") can be tensioned around two rollers and cut in this manner; longer sleeves must be fed manually. Slide guides that can be shifted by thumb screws make aligning the belt with the blades easy. Circular blades and cutting roller are driven by a speed adjustable electric motor. The belt is tensioned with a pneumatic cylinder. Blades are lowered into the belt by means of a manual lever. The SM - 120 is suitable for fabrication of single belts up to larges series.

SM - 400FV - Newly upgraded to include slitting of HabaSYNCTiming Belts



Belt/tape width max.	400 mm	15.75 inches
Cutting width per operation	400 mm	15.75 inches
Belt/tape thickness max.	8 mm	0.3 inches
Electric Power supply	400V	
Dimensions (LxWxH)	1200 mm x 650 mm x 1920 mm	47" x 26" x 76"
Weight net	320 kg	705 lbs.

The SM - 400FV is a an upgraded cutting machine designed to longitudinally cut Habasit belts and tapes up to a width of 400 mm and a thickness of 8 mm. Thanks to the latest improvements and modifications, it is not only well suited to cut sleeves (belts made endless before cutting) but the SM - 400FV was additionally designed to precisely slit belts without deviation from normal width up to 40 m/min (131 ft/min). This feature is especially helpful when slitting HabaSYNC timing belts. This model also offers quick and easy blade configuration due to the new shaft locking system.



## SM-600



Belt/tape width max.	1200 mm	47.2 inches
Cutting width per operation	600 mm	23.6 inches
Belt/tape thickness max.	30 mm	1.2 inches
Electric Power supply	230Vx3, 400V	
Dimensions (LxWxH)	2400 mm x 900 mm x 1900 mm	95" x 35" x 75"
Weight net	430 kg	948 lbs.

The SM-600 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 600 mm (max. in-feed 1200 mm). The machine is well suited for cutting sleeves (belts made endless before cutting); minimum endless belt length in this case is 350 mm / 14 in. The machine features exceptionally large circular blades, which allow cutting of belts with cleats or guiding profiles attached. Circular blades and cutting roller are driven by a speed adjustable electric motor. The blades are lowered onto the belt by a precise positioning hydraulic cylinder. The SM-600 is well suited for fabrication of both single and large series belts.

## SM-1203



Belt/tape width max.	1480 mm	58.3 inches
Cutting width per operation	1410 mm	55.5 inches
Belt/tape thickness max.	10 mm	0.4 inches
Electric Power supply	230Vx3, 400V	
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	1505 mm x 2835 mm x 1750 mm	59" x 112" x 69"
Weight net	1230 kg	2712 lbs.

The SM-1203 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 1410 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (minimum belt width that can be cut) is 100 mm (4"). This device is suitable for high-volume fabrication.

## SM - 1603



Belt/tape width max.	1800 mm	70.9 inches
Cutting width per operation	1730 mm	68.1 inches
Belt/tape thickness max.	10 mm	0.4 inches
Electric Power supply	230Vx3, 400V	
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	1505 mm x 3155 mm x 1750 mm	59" x 124" x 69"
Weight net	1350 kg	2976 lbs.

The SM-1603 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 1730 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (minimum belt width that can be cut) is 100 mm (4"). This device is suitable for high-volume fabrication.

## SM - 2003



Belt/tape width max.	2110 mm	83 inches
Cutting width per operation	2040 mm	80.3 inches
Belt/tape thickness max.	10 mm	0.4 inches
Electric Power supply	230Vx3, 400V	
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	1505 mm x 3475 mm x 1750 mm	59" x 137" x 69"
Weight net	1470 kg	3240 lbs.

The SM - 2003 is a cutting machine to longitudinally cut Habasit belts and tapes up to a width of 2040 mm and a thickness of 10 mm (depending on material). The belt is clamped both before and after the cutting station and drawn through the machine by driven clamping rollers. Circular blades and cutting roller are driven electrically. Circular blades are set in individual heads, so are quick to set up. They are engaged individually by means of pneumatic cylinders. Minimum distance of any two blades (minimum belt width that can be cut) is 100 mm (4"). This device is suitable for high-volume fabrication.

## SM - 3003

Please note that there is also an SM - 3003 available. Details are conformable to the customer's requirements and can be specified and quoted upon request.

## A - 0250 Chisel Cutter and Pattern Tape



The A - 0250 Chisel cutter, when combined with either the 10x80 (28639) or 20x80 (28642) pattern paper, is suitable for the simple manual die-cutting of flexproof fingers for Habasit thermoplastic conveyor belts up to a thickness of 5 mm and of unlimited width. It is the simplest tool for on-site preparation of conveyor belts. Belt ends are positioned on top of each other with double-sided adhesive tape. The pattern tape is applied to the joint and the fingers are cut on a robust support surface using a hammer. Of course, this method is mostly for single-belt fabrication and not for series. *Please note other items shown (tape, utility knife, hammer and scissors) are more easily and economically obtained locally.*

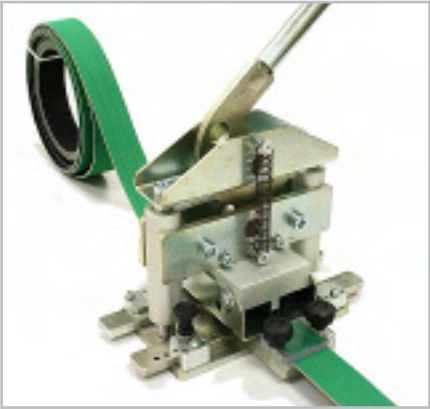
## AF - 30



Belt/tape width max.	30 mm	1.18 inches
Belt/tape thickness max.	3 mm	0.12 inches
Dimensions (LxWxH)	280 mm x 180 mm x 570 mm	11" x 7" x 22"
Weight net	12 kg	27 lbs.

The AF - 30 is a device for preparing (die cutting) of Habasit belts and tapes up to a width of 30 mm and a thickness of 3 mm for Flexproof (finger) joints. It is suitable for the standard Habasit finger geometries with a pitch of 6 or 8x30 mm (different cutting heads). Die-cutting is done in just two manual strokes, resulting in the most precise finger cut and therefore optimum joint strength. The AF - 30 lends itself especially well to low-to-high volume production of spindle and machine tapes off pre-cut coils.

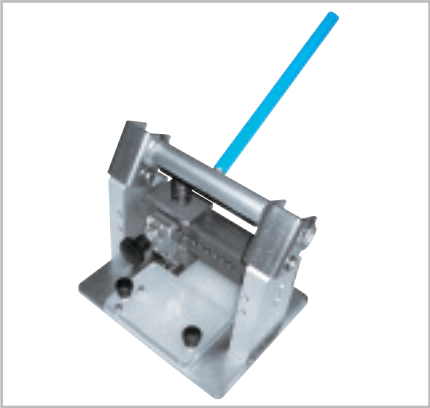
AF - 41



Belt/tape width max.	40 mm	1.6 inches
Belt/tape thickness max.	3.5 mm	0.14 inches
Dimensions (LxWxH)	250 mm x 230 mm x 240 mm	10" x 9" x 9"
Weight net	8 kg	18 lbs.

The new AF - 41 has been developed to meet the growing demand for a compact (the lever can be easily removed), lightweight, and economic finger cutting tool. This tool can cut belts up to a width of 40 mm and a thickness of 3.5 mm with 10x120 finger geometry. With this tool you get simple and precise finger punching using a step cutting head movement that requires limited force.

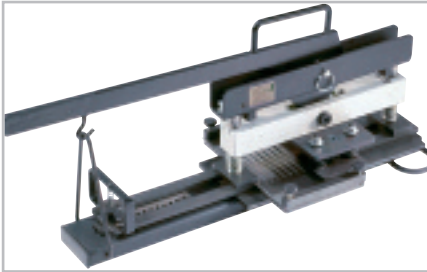
AF - 61/6x30 and AF - 61/8x30



Belt/tape width max.	60 mm	2.4 inches
Belt/tape thickness max.	3 mm	0.12 inches
Dimensions (LxWxH)	180 mm x 150 mm x 170 mm	7" x 6" x 7"
Weight net	4.2 kg	9.25 lbs.

The new AF - 61 is a tool designed for the cutting of the 6x30 or 8x30 finger geometries. It is designed mainly for Habasit machine tapes and belts up to 3 mm thick. It has a movable cutting head with two blades that can be positioned by a pin in steps of 8 mm, ensuring the required accuracy. The fingers are thus cut manually step by step by means of a lever.

## AF - 100/US - 35, AF - 100/US - 80, and AF - 100/US - 120



Belt/tape width max.	100 mm	4.0 inches
Belt/tape thickness max.	6 mm	0.24 inches
Dimensions (LxWxH)	650 mm x 215 mm x 270 mm	26" x 9" x 11"
Weight net	14 kg	30 lbs.

The AF - 100/US is a device for preparing (die-cutting) of Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm for Flexproof joints. It is available in several versions:

- **AF - 100/US - 35 for 10/35 finger geometry**
- **AF - 100/US - 80 for 10/80 finger geometry**
- **AF - 100/US - 120 for 10/120 finger geometry**

No matter which version of this tool is purchased, the two additional heads may be purchased so that all three finger geometries can be achieved using the same tool.

The belt is securely clamped on a movable carriage. This carriage is positioned in steps of 10 mm under a dual-bladed die-cutting head. This head is then actuated with an eccentric lever, providing enough force to cut even the strongest Aramid fabrics with ease. The fingers are cut, step by step, ensuring the most precise geometry and therefore optimum tensile strength of the resulting joint. The AF - 100/US is particularly suited for preparing Flexproof joinable power transmission belts and machine tapes (TF, TC, HC/Flexfold range, Hamid range). It is well suited for on-site preparation but also works well for small-to-medium sized fabrication in the workshop.

## AF - 102



Belt/tape width max.	100 mm	3.9 inches
Belt/tape thickness max.	2 mm	0.08 inches
Dimensions (LxWxH)	200 mm x 52 mm x 85 mm	8" x 2" x 3"
Weight net	2 kg	4 lbs.

The AF - 102 is a device for preparing (finger cutting) of Habasit machine tapes up to a width of 100 mm and a thickness of 2 mm for flexproof (finger) joints. It is suitable for the standard Habasit finger geometry of 8x30 mm. The tape is positioned and securely clamped on an aluminum support. Fingers are then cut manually. The cutter is precisely positioned on the support with a pin matching a row of precisely cut indexing grooves; the angle is given by a guiding block fixed to the cutter. The AF - 102 is suitable for occasional, on-site preparation of Hamid tapes.

## AF - 603



Belt/tape width max.	600 mm	23.6 inches
Belt/tape thickness max.	8 mm	0.31 inches
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	940 mm x 430 mm x 560 mm	37" x 17" x 22"
Weight net	85 kg	187 lbs.

The AF - 603 is used for efficient die-cutting of Habasit belts and tapes up to a width of 600 mm and a thickness of 8 mm for the Flexproof joining method. It comes equipped with a 10x80 and a 20x80 cutting head. 8x30 and 10x120 cutting heads are also available. Die-cutting operation is pneumatic and lateral feed of the punching head is manual by means of an indexed crank drive. The bridge design of the preparing device allows efficient preparation of belts in series (the end-cut of the last belt is at the same time the start-cut of the next belt). The machine is of "open throat" design, i.e. wider belts can be punched in several steps. This machine is fully transportable so it is well suited for medium-volume belt fabrication both on-site and in the workshop.

## AFZ - 1200



Belt/tape width max.	1250 mm	49 inches
Belt/tape thickness max.	8 mm	0.31 inches
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	1905 mm x 890 mm x 1400 mm	75" x 35" x 55"
Weight net	255 kg	562 lbs.

The AFZ - 1200 is used for efficient die-cutting of Habasit belts and tapes up to a width of 1250 mm and a thickness of 8 mm for the Flexproof or Step-Flex (2-ply belts only) joining methods. It comes equipped with a 10x80 and a 20x80 cutting head. 10x120, 10x50, and 20x50 cutting heads are also available. Die-cutting operation is pneumatic, lateral feed of the punching head is manual by means of an indexed crank drive. The machine is of "open throat," i.e. wider belts can be punched in several steps. A transportable version of this tool is available (see AFZ - 1200P). The AFZ - 1200 is ideal for medium volume conveyor belt fabrication.

## AFZ - 1200P



Belt/tape width max.	1250 mm	49.2 inches
Belt/tape thickness max.	8 mm	0.31 inches
Compressed air supply	6 bar	87 psi
Dimensions (LxWxH)	1905 mm x 890 mm x 700 mm	75" x 35" x 28"
Weight net	220 kg	485 lbs.

The AFZ - 1200P is the portable version of the AFZ - 1200 without the supporting structure so that it is suitable for transport and on-site fabrication. It is used for efficient die-cutting of Habasit belts and tapes up to a width of 1250 mm and a thickness of 8 mm for the Flexproof or Step-Flex (2-ply belts only) joining methods. It comes equipped with a 10x80 and a 20x80 cutting head. 10x120, 10x50, and 20x50 cutting heads are also available. Die-cutting operation is pneumatic, lateral feed of the punching head is manual by means of an indexed crank drive. The machine is of "open throat," i.e. wider belts can be punched in several steps. The AFZ - 1200P is ideal for medium volume conveyor belt fabrication and on-site installations.

## AF - 1201, AF - 2401, and AF - 3201



AF - 1201 Belt/tape width max.	1300 mm	51.2 inches
AF - 2401 Belt/tape width max.	2500 mm	98 inches
AF - 3201 Belt/tape width max.	3300 mm	130 inches
Belt/tape thickness max.	8 mm	0.31 inches
Electric Power supply	120V, 230V	
Compressed air supply	6 bar	87 psi
AF - 1201 Dimensions (LxWxH)	2430 mm x 1040 mm x 1720 mm	96" x 41" x 68"
AF - 2401 Dimensions (LxWxH)	3630 mm x 1040 mm x 1720 mm	143" x 41" x 68"
AF - 3201 Dimensions (LxWxH)	4400 mm x 1850 mm x 1950 mm	173" x 73" x 77"
AF - 1201 Weight net	800 kg	1764 lbs.
AF - 2401 Weight net	1000 kg	2205 lbs.
AF - 3201 Weight net	1550 kg	3417 lbs.

The AF - 1201, AF - 2401, and AF - 3201 are designed for the efficient die-cutting of Habasit belts and tapes for the Flexproof joining method. Step-Flex is possible by manually moving the belt for the second cut. Die-cutting operation is sequential, engaging only two blades at a time with a pneumatic cylinder; lateral feed is by means of an automatic spindle drive. This allows unattended operation of the machine once the belt is loaded and the cut started. This guarantees optimum quality of the cut fingers. The machine is of open throat design, i.e. wider belts can be cut in several steps. These machines are ideal for high-volume conveyor and power transmission belt fabrication.



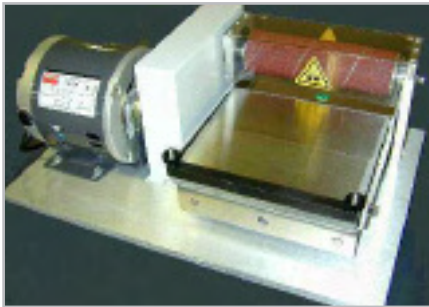
## AT - 60



Belt width max. angle of 90°	60 mm	2.4 inches
Belt width max. angle of 75°	25 mm	1.0 inches
Belt/tape thickness max.	2 mm	0.08 inches
Dimensions (LxWxH)	220 mm x 190 mm x 85 mm	9" x 8" x 3"
Weight net	1.5 kg	3.3 lbs.

The AT - 60 is a preparing device for skiving of Habasit belts and tapes up to a width of 60 mm and a thickness of 2 mm. The belt is clamped and stuck to a steel plate. It is ground manually by means of a grinding disk. Adjustment to belt thickness is possible in two steps. The AT - 60 is especially suitable for occasional preparation of single belts or spindle tapes on site. It is not designed for high-volume fabrication.

## AT - 200/M



Belt width max. angle of 90°	200 mm	8 inches
Belt width max. angle of 75°	150 mm	6 inches
Belt width max. angle of 60°	90 mm	3.5 inches
Belt/tape thickness max.	7 mm	0.28 inches
Electric Power Supply	120V	
Dimensions (LxWxH)	533 mm x 356 mm x 216 mm	21" x 14" x 8.5"
Weight net	25 kg	55 lbs.

The AT - 200/M is a preparing device for skiving of Habasit belts and tapes up to a width of 200 mm and a thickness of 7 mm. The belt is clamped to a steel table which has six tilt angle adjustment settings. The belt is fed under a grinding drum on precise guides. The device is driven by a 120V motor which is mounted to the base. Feed of the table is by means of a hand wheel. The AT - 200/M is suitable for preparation of belts and tapes in small-to medium-sized series.



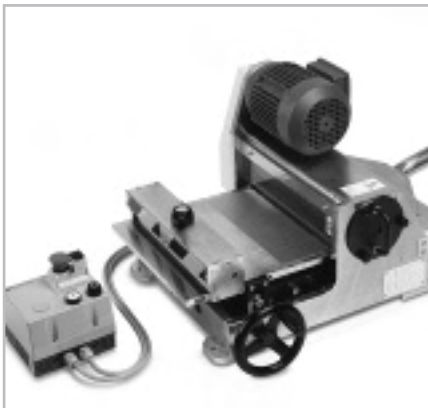
## AT - 200/6 and AT - 200/8



Belt width max. angle of 90°	200 mm	8 inches
Belt width max. angle of 75°	150 mm	6 inches
Belt width max. angle of 60°	90 mm	3.5 inches
Belt/tape thickness max.	7 mm	0.28 inches
Electric Power Supply	120V or 230V drill	
Dimensions (LxWxH)	385 mm x 405 mm x 185 mm	15" x 16" x 7"
Weight net	12 kg	27 lbs.

The AT - 200/6 and AT - 200/8 are preparing devices for skiving of Habasit belts and tapes up to a width of 200 mm and a thickness of 7 mm. The belt is clamped to a steel table which has six tilt angle adjustment settings. The belt is fed under a grinding drum on precise guides. The device is driven by a 120V or 230V drill. Feed of the table is by means of a hand wheel. The AT - 200/6 and AT - 200/8 are suitable for preparation of belts and tapes in small-to medium-sized series.

## AT-305



Belt width max. angle of 90°	300 mm	12 inches
Belt width max. angle of 75°	220 mm	8.8 inches
Belt/tape thickness max.	6 mm	0.24 inches
Electric Power Supply	120V, 230Vx1, 230Vx3, 400V	
Dimensions (LxWxH)	650 mm x 800 mm x 500 mm	26" x 32" x 20"
Weight net	110 kg	243 lbs.

The AT - 305 is a preparing device for skiving of Habasit belts up to a width of 300 mm and a thickness of 8 mm. The belt is clamped to a steel table which is adjustable in tilt and is fed under a grinding drum on precise guides. The grinding drum is driven by a powerful three-phase electric motor; feed is by means of a hand wheel. The result of this operation is a precise skiving, even on the most-demanding belt products. The AT - 305 is especially suitable for preparation of Thermofix joints of power transmission belts in the fabrication workshop. Please see the AT - 306, which is a similar device with an automatic, self-contained hydraulic feed drive. For wider belts, the A - 600 skiver and the AT - 1201 disk skiver are better suited tools.

## AT - 306



Belt width max. angle of 90°	300 mm	12 inches
Belt width max. angle of 75°	220 mm	8.8 inches
Belt/tape thickness max.	6 mm	0.24 inches
Electric Power Supply	230Vx3, 400V	
Dimensions (LxWxH)	1000 mm x 1100 mm x 1400 mm	40" x 44" x 56"
Weight net	200 kg	440 lbs.

The AT - 306 is a preparing device for skiving of Habasit belts up to a width of 300 mm and a thickness of 8 mm. The belt is clamped to a steel table which is adjustable in tilt and is fed under a grinding drum on precise guides. The grinding drum is driven by a powerful three-phase electric motor; feed is by means of a self-contained two-speed electro-hydraulic drive. A faster, non-adjustable drive for the in-feed and an adjustable drive for slower working speeds. This feed provides smooth, automatic, and productive operation. No operator intervention is needed during the skiving process. The result of this automation is a precise skiving, even on the most demanding belt products. A powerful grinding dust extraction system is available as an option. The AT - 306 is especially suitable for preparation of Thermofix joints of power transmission belts in the fabrication workshop in large series. There is a similar device, the AT - 305, with manual feed for less demanding environments.

## A - 600

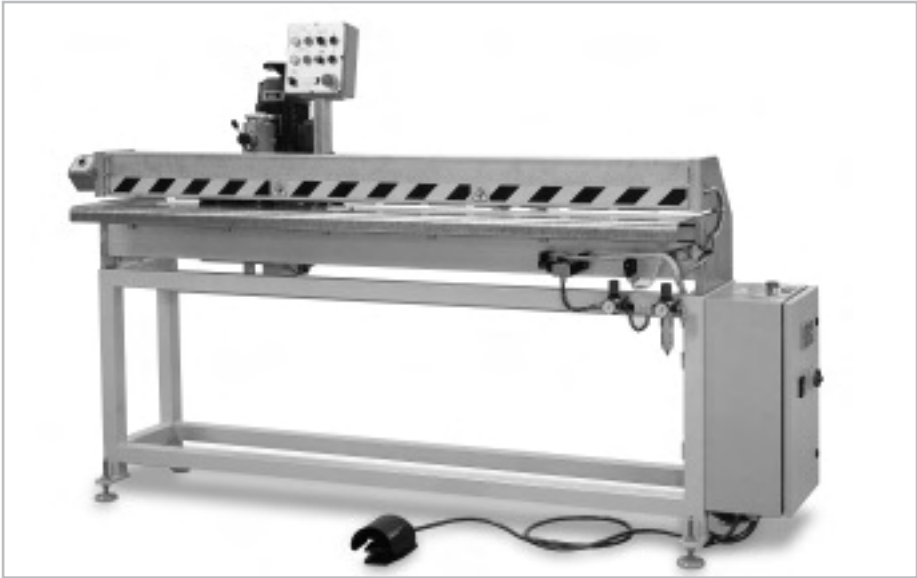


Belt width max. angle of 90°	600 mm *	24 inches *
Belt width max. angle of 75°	600 mm	24 inches
Belt/tape thickness max.	6 mm	0.24 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	875 mm x 445 mm x 255 mm	35" x 18" x 10"
Weight net	32 kg	71 lbs.

\*wider if used in several steps

The A - 600 is a preparing device for skiving of Habasit belts and tapes up to a width of 600 mm and a thickness of 6 mm. It features a frame to firmly clamp the belt and hold it in the correct position on the table for skiving. The belt sander is precisely guided on the frame, resulting in a skiving of precisely the required geometry. The machine is of open throat design so that wider than normal belts can be prepared in several steps. The A - 600 is suitable for on-site preparation and low- to medium-volume preparation of Thermofix joints of conveyor belts in the fabrication workshop.

AT - 1201



Belt width max. angle of 90°	1200 mm	47 inches
Belt width max. angle of 75°	1200 mm	47 inches
Belt/tape thickness max.	6.5 mm	0.26 inches
Electric Power Supply	230V, 400V	
Dimensions (LxWxH)	2060 mm x 720 mm x 1600 mm	81" x 28" x 63"
Weight net	320 kg	706 lbs.

The AT - 1201 is a preparing device for skiving of Habasit belts up to a width of 1200 mm and a thickness of 6.5 mm. The belt is clamped in a robust frame and precisely held in position. A grinding disk that is adjustable both in tilt (to control skiving length) and height (to control the thickness of the remaining lip) is then continuously run over the belt end, grinding it to the desired wedge shape. Feed of the grinding head is adjustable in a wide range to match various belt materials. The machine is of "open throat" design, i.e. wider belts can be skived in multiple steps.

The AT - 1201 is especially suitable for high-volume fabrication of conveyor belts with Thermofix joints.

## PQ - 18



Belt diameter maximum	15 mm	0.6 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	420 mm x 140 mm x 120 mm	17" x 6" x 5"
Weight net	0.68 kg	1.5 lbs.

The PQ - 18 is a simple, cost effective tool for welding of Polycord, Habicord, or Habibblue round belts. The joining operation is by butt welding: ends of the belt are melted by pressing them against the surface of a precisely regulated hot welding plate. After sufficient heating, the belt ends are pressed against each other with a defined pressure and left to cool in a defined position. After removing the resulting bead with a knife or by grinding, an optimum quality round belt is ready for use. The PQ - 18 is well-suited for on-site installation and small- to medium-sized series fabrication.

## PT - 50



Belt width max. angle of 90°	50 mm	2 inches
Belt width max. angle of 75°	45 mm	1.8 inches
Belt/tape thickness max.	2 mm	0.08 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	215 mm x 120 mm x 84 mm	9" x 5" x 3"
Weight net	0.65 kg	1.4 lbs.

The PT - 50 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 50 mm and a thickness of 2 mm. It uses one-sided heating and is especially suitable for joining of spindle tapes and many applications in the printing industry. The PT - 50 is mostly suitable for on-site installations.

## PT - 55



Belt width max. angle of 90°	50 mm	2 inches
Belt width max. angle of 75°	45 mm	1.8 inches
Belt/tape thickness max.	2.5 mm	0.1 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	280 mm x 63 mm x 95 mm	11" x 3" x 4"
Weight net	0.72 kg	1.6 lbs.

The PT - 55 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 50 mm and a thickness of 2 mm. It uses two-sided heating and is particularly well-suited for joining of spindle tapes. The PT - 55 should be complemented with a Hamid guide rail of the respective width to clamp the tape prior to hot-pressing. The PT - 55 is mostly suitable for on-site installation

## PQ - 58



Belt width max. angle of 90°	50 mm	2 inches
Belt/tape thickness max.	3.6 mm	0.14 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	280 mm x 70 mm x 95 mm	11" x 3" x 4"
Weight net	0.83 kg	1.8 lbs.

The PQ - 58 is a hot-pressing device for Quickmelt or Flexproof joining of Habasit machine and spindle tapes up to a width of 50 mm and a thickness of 3.6 mm. With an additional cooling tong and a guide rail in the required width for your application, you have a joining system that allows you to join a tape in minutes. Heating is from both sides and the press plates are also wide enough to weld 35 mm / 1.4 in. long Flexproof fingers. This tool is especially well suited for situations where space is tight and visibility is poor. The PQ - 58 is mainly designed for on-site installation, but it can also be used for small to medium size series fabrication in the workshop.

## PF - 61



Belt width max. angle of 90°	60 mm	2.4 inches
Belt/tape thickness max.	4.5 mm	0.18 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	320 mm x 176 mm x 116 mm	13" x 7" x 5"
Weight net	2 kg	4 lbs.

The PF - 61 is a hot-pressing device for Flexproof joining of Habasit power transmission belts up to a width of 60 mm and a thickness of 4.5 mm. With heat coming from both top and bottom heating plates, cooling tong CD - 61, and an adjustable guide rail set, you have a joining system that enables you to join a belt in minutes. The wide press plate allows for the joining of 10x120 mm Flexproof finger joints for optimal strength in situations where space is tight and visibility is poor. The PF - 61 is mainly suitable for on-site joining. In the fabrication workshop, water-cooled presses are a more productive solution.

## PT - 100



Belt width max. angle of 90°	100 mm	4 inches
Belt width max. angle of 75°	75 mm	3 inches
Belt width max. angle of 60°	45 mm	1.8 inches
Belt/tape thickness max.	6 mm	0.24 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	285 mm x 128 mm x 102 mm	11" x 5" x 4"
Weight net	2 kg	4.4 lbs.

The PT - 100 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm. The lower press plate is heated and is equipped with a detachable set-up plate with a clamping device for secure positioning of the belt ends. The knuckle joint mechanism allows for easy adjustment to different belt thicknesses. Together with the integrated pressure equalization pad it ensures reliable hot pressing even for the most demanding glued belt joints. The PT - 100 is equally well suited for workshop use as for on-site installations.

## PT - 103



Belt width max. angle of 90°	100 mm	4 inches
Belt width max. angle of 75°	75 mm	3 inches
Belt/tape thickness max.	2.5 mm	0.1 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	289 mm x 96 mm x 57 mm	11" x 4" x 2"
Weight net	1 kg	2.2 lbs.

The PT - 103 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 2.5 mm. The press utilizes one-sided heating and is extremely compact. Top and bottom parts can be separated allowing belts to be joined in locations with limited space. A simple clamp fixture ensures correct positioning of the belt ends. The PT - 103 is particularly well suited for on-site installations.

## PT - 103S



Belt width max. angle of 90°	100 mm	4 inches
Belt width max. angle of 75°	75 mm	3 inches
Belt/tape thickness max.	2.5 mm	0.1 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	289 mm x 250 mm x 57 mm	12" x 10" x 2"
Weight net	1.1 kg	2.4 lbs.

The PT - 103S is a variant of the PT - 103 with a special, large set-up plate. This large plate has precise, easy-to-use clamps and guides which guarantees a straight joint every time. The PT - 103S is well-suitable for on-site installation where height over the belt is limited but space along the belt is not.

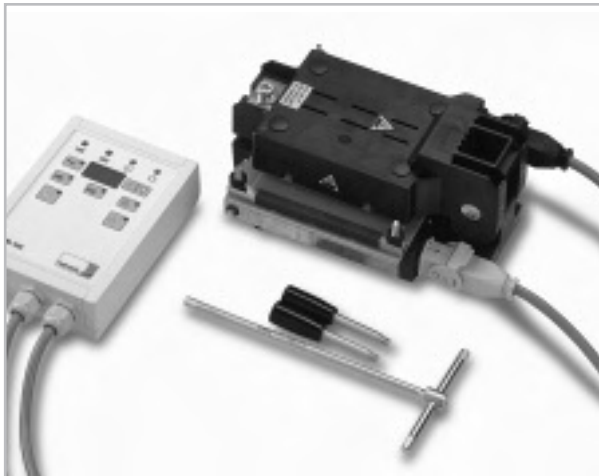
## PF - 100S



Belt width max. angle of 90°	100 mm	4 inches
Belt/tape thickness max.	2.5 mm	0.1 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	285 mm x 102 mm x 102 mm	11" x 4" x 4"
Weight net	2.0 kg	4.4 lbs.

The PF - 100S is a hot-pressing device for Flexproof joining of Habasit belts and tapes up to a width of 100 mm and a thickness of 2.5 mm. Maximum finger length is 80 mm and the press utilizes one-sided heating. This limits applicability to typical conveyor belt applications. Namely belts with thick rubber layers and belts requiring 10x120 fingers can not be joined. The PF - 100S is mainly suitable for on-site installations.

## PF - 101 – *Fantastic Value!*



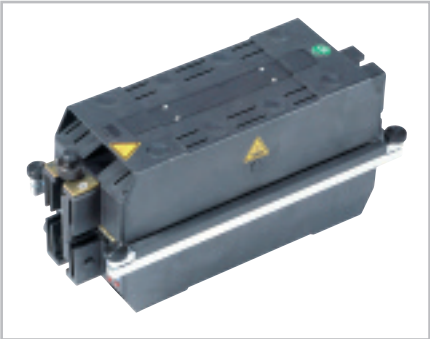
- **Flexproof**
- **Quickmelt**
- **Thermofix**
- **Top Heat / Bottom Heat / Both**
- **Get the most bang for your buck with the most versatile handheld press we sell!**

Belt width max. angle of 90°	100 mm	4 inches
Belt/tape thickness max.	6.0 mm	0.24 inches
Electric Power Supply	120V, 230V	
Cooling Media	Internal Fan	
Dimensions (LxWxH)	260 mm x 190 mm x 145 mm	10" x 8" x 6"
Weight net	4 kg	8 lbs.

The PF - 101 is a hot-pressing device for joining Habasit belts and tapes up to a width of 100 mm and a thickness of 6 mm. Maximum finger length is 120 mm using the specially-designed heat distribution plates. This press is mainly designed for Flexproof, but Thermofix and Quickmelt joining is also possible. It features a precise individual temperature control of both press plates and the automatically controlled forced-air cooling system ensures hassle-free operation. The compact control unit is connected to the press body by cables of about 2 m in length which is ideal for install situations. The press body halves can be separated for easy installation in tight space conditions, or the press can be inserted over the belt in one piece like a tong, and then closed at the front. Pressure is applied by tightening two screws. The PF - 101 is especially suitable for on-site installations.



PT - 300



Belt width max. angle of 90°	300 mm	12 inches
Belt width max. angle of 75°	250 mm	10 inches
Belt width max. angle of 60°	200 mm	8 inches
Belt/tape thickness max.	8 mm	0.31 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	420 mm x 175 mm x 200 mm	17" x 7" x 8"
Weight net	12 kg	27 lbs.

The PT - 300 is a hot-pressing device for Thermofix joining of Habasit belts and tapes up to a width of 300 mm and a thickness of 8 mm. The lower press plate is heated and is equipped with a detachable set up plate with clamping bars for secure positioning of the belt ends. Pressure is generated with a closing spindle tightened with a torque wrench. Together with the integrated pressure equalization pad, this ensures reliable hot pressing even for the most demanding glued belt joints. The PT - 300 is equally well-suited for workshop use as for on-site installations.

PT - 600

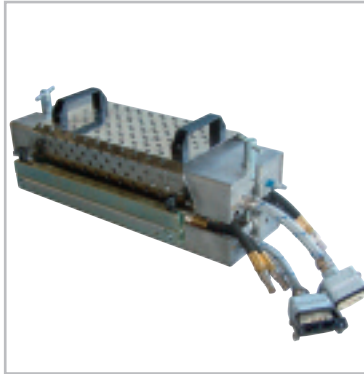


Belt width max. angle of 90°	600 mm	24 inches
Belt width max. angle of 75°	560 mm	22 inches
Belt/tape thickness max.	8 mm	0.31 inches
Electric Power Supply	120V, 230V	
Dimensions (LxWxH)	750 mm x 160 mm x 167 mm	30" x 6" x 7"
Weight net	18 kg	40 lbs.

The PT - 600 is a hot-pressing device for Thermofix joining of Habasit belts and tapes. It is of low profile design for easy access and for use in tight spaces. The press features the rigid construction of a stiff beam to ensure optimum pressure distribution. The top portion contains the electrical heater assembly. Two present temperatures can be selected. Pressure is generated with two spindles which are tightened with a torque wrench to ensure correct pressure. The integrated belt clamping bars ensure optimum results by holding the belt ends exactly in the right position when the press is closed. The PT - 600 is specifically designed for on-site installation, but works as well for small to medium series fabrication in the workshop.



## PM - 306



Belt width max.	300 mm	12 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	120V, 230Vx1, 230Vx3, 400V	
Platen Widths Available	100 mm, 160 mm	
Controllers Available	PMR - 06, PMR - 07	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	580 mm x 240 mm x 195 mm	23" x 9" x 8"
160 mm platen Dim. (LxWxH)	800 mm x 280 mm x 216 mm	32" x 11" x 9"
100 mm platen Weight net	26 kg	57 lbs.
160 mm platen Weight net	37 kg	82 lbs.

The PM - 306 is a lightweight hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 300 mm and a thickness of 10 mm. For 120 mm fingers or for Step-Flex fabrication the 160 mm platen must be used. The press can be ordered in a variety of configurations concerning voltage requirements, platen width, stationary or mobile set up, and desired controller.

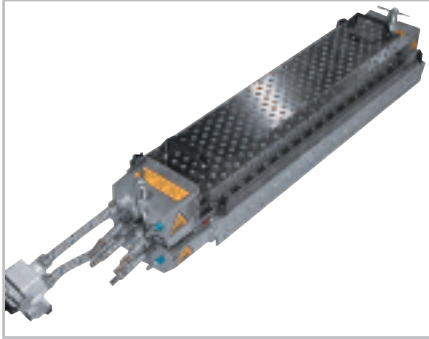
## PM - 459 – a new complete redesign for faster, lighter, less-expensive presses!!



The PM - 459 is one of our two newest state-of-the-art 09 Series presses that is the product of a complete redesign program that reduces weight without compromising the superior joining quality that Habasit presses are known for in the industry. The heating time has been reduced in comparison with the 06 Series presses allowing the heating up and cooling time to be noticeably shortened allowing for quicker joining and higher productivity. The new 09 series includes a new insulation system to avoid the excessive heating of the press body, a new design of the locking mechanism, a new sliding pad on the bottom of the press to prevent damaging of the conveyors and improve the press stability during joint fabrication, and a simpler and lighter belt retention system.

Belt width max.	450 mm	17.7 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Width	160 mm	
Controllers Available	PMR - 06, PMR-07	
Electric Power Supply	120V, 230V	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	830 mm x 200 mm x 290 mm	33" x 8" x 11"
Weight net	37 kg	82 lbs.

## PM - 606



Belt width max.	600 mm	24 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Width	100 mm	
Controllers Available	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	880 mm x 240 mm x 200 mm	35" x 9" x 8"
Weight net	40 kg	89 lbs.

The PM - 606 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 600 mm and a thickness of 10 mm. Only the 100 mm platen is available for this model so Step-Flex or 120 mm finger joining is not possible.

## PM - 806



Belt width max.	800 mm	32 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Widths Available	100 mm, 160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	1150 mm x 320 mm x 247 mm	46" x 13" x 10"
160 mm platen Dim. (LxWxH)	1150 mm x 380 mm x 288 mm	46" x 15" x 11"
100 mm platen Weight net	75 kg	165 lbs.
160 mm platen Weight net	96 kg	212 lbs.

The PM - 806 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 800 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 807FH– New “water-optional” Fast-Heat Press designed for on-site installation



Belt width max.	800 mm	31.5 inches
Belt thickness max	5 mm	0.2 inches
Electric Power Supply	230Vx1, 230Vx3	
Platen Width	100 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	1050 mm x 290 mm x 280 mm	41" x 12" x 11"
Weight net	72 kg	160 lbs.

The PM - 807FH is the first in our new line of “Fast Heat” presses. This press has been designed to reduce joining time by as much as 40% when used with the standard-equipped water control unit. This press can also be used without water for those times when water lines are not readily available for site installation.

## PM - 1009 – a new complete redesign for faster, lighter, less-expensive presses!!



The PM - 1009 is another of our two newest state-of-the-art 09 Series presses that is the product of a complete redesign program that reduces weight without compromising the superior joining quality that Habasit presses are known for in the industry. The heating time has been reduced in comparison with the 06 Series presses allowing the heating up and cooling time to be noticeably shortened allowing for quicker joining and higher productivity. The new 09 series includes a new insulation system to avoid the excessive heating of the press body, a new design of the locking mechanism, a new sliding pad on the bottom of the press to prevent damaging of the conveyors and improve the press stability during joint fabrication, and a simpler and lighter belt retention system.

Belt width max.	1000 mm	39.4 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Width	160 mm	
Controllers Available	PMR - 06, PMR - 07	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	1380 mm x 200 mm x 290 mm	54" x 8" x 11"
Weight net	69 kg	152 lbs.

## PM - 1056



Belt width max.	1050 mm	42 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Widths Available	100 mm, 160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	1400 mm x 320 mm x 247 mm	56" x 13" x 10"
160 mm platen Dim. (LxWxH)	1400 mm x 380 mm x 288 mm	56" x 15" x 11"
100 mm platen Weight net	92 kg	203 lbs.
160 mm platen Weight net	117 kg	258 lbs.

The PM - 1006 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 1050 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 1306



Belt width max.	1300 mm	52 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx1, 230Vx3, 400V	
Platen Widths Available	100 mm, 160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	1650 mm x 320 mm x 247 mm	66" x 13" x 10"
160 mm platen Dim. (LxWxH)	1650 mm x 380 mm x 353 mm	66" x 15" x 14"
100 mm platen Weight net	100 kg	220 lbs.
160 mm platen Weight net	172 kg	379 lbs.

The PM - 1306 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 1306 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 1604



Belt width max. angle of 90°	1600 mm	63 inches
Belt width max. angle of 75°	1520 mm	60 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Width	160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	2000 mm x 380 mm x 460 mm	79" x 15" x 18"
Weight net	180 kg	397 lbs.

The PM - 1604 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 1600 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

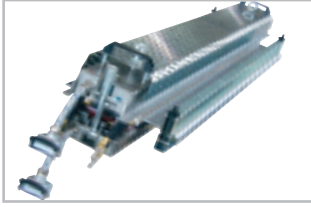
## PM - 1606



Belt width max.	1600 mm	64 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Widths Available	100 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	1960 mm x 320 mm x 296 mm	78" x 13" x 12"
Weight net	154 kg	341 lbs.

The PM - 1606 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 1600 mm and a thickness of 10 mm. Only the 100 mm platen is available for this model so Step-Flex or 120 mm finger joining is not possible.

## PM - 2006



Belt width maximum	2000 mm	80 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Width	100 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	2478 mm x 320 mm x 336 mm	98" x 13" x 13"
Weight net	230 kg	507 lbs.

The PM - 2006 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 2000 mm and a thickness of 10 mm. Only the 100 mm platen is available for this model so Step-Flex or 120 mm finger joining is not possible.

## PM - 2404



Belt width max. angle of 90°	2400 mm	94 inches
Belt width max. angle of 75°	2310 mm	91 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Widths Available	160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	2950 mm x 380 mm x 565 mm	116" x 15" x 22"
Weight net	450 kg	992 lbs.

The PM - 2404 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 2400 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 3204



Belt width max. angle of 90°	3200 mm	126 inches
Belt width max. angle of 75°	3080 mm	121 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Width	160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
100 mm platen Dim. (LxWxH)	3655 mm x 380 mm x 665 mm	144" x 15" x 26"
Weight net	620 kg	1367 lbs.

The PM - 3204 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 3200 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 3604



Belt width max. angle of 90°	3600 mm	142 inches
Belt width max. angle of 75°	3450 mm	136 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Widths Available	160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	4135 mm x 380 mm x 665 mm	163" x 15" x 26"
Weight net	726 kg	1601 lbs.

The PM - 3604 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 3600 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.

## PM - 4204



Belt width max. angle of 90°	4200 mm	165 inches
Belt width max. angle of 75°	4010 mm	158 inches
Belt thickness max	10 mm	0.4 inches
Electric Power Supply	230Vx3, 400V	
Platen Widths Available	160 mm	
Controller	PMR - 06	
Compressed Air Supply	3 bar	43.5 psi
Dimensions (LxWxH)	4660 mm x 380 mm x 865 mm	184" x 15" x 34"
Weight net	860 kg	1896 lbs.

The PM - 4204 is a hot-pressing device for Thermofix and Flexproof joining of Habasit belts and tapes up to a width of 3600 mm and a thickness of 10 mm. The 160 mm platen allows for Step-Flex or for 120 mm finger joining.



## The CFHSP Series\* (separate controller)

\*carrying case not shown

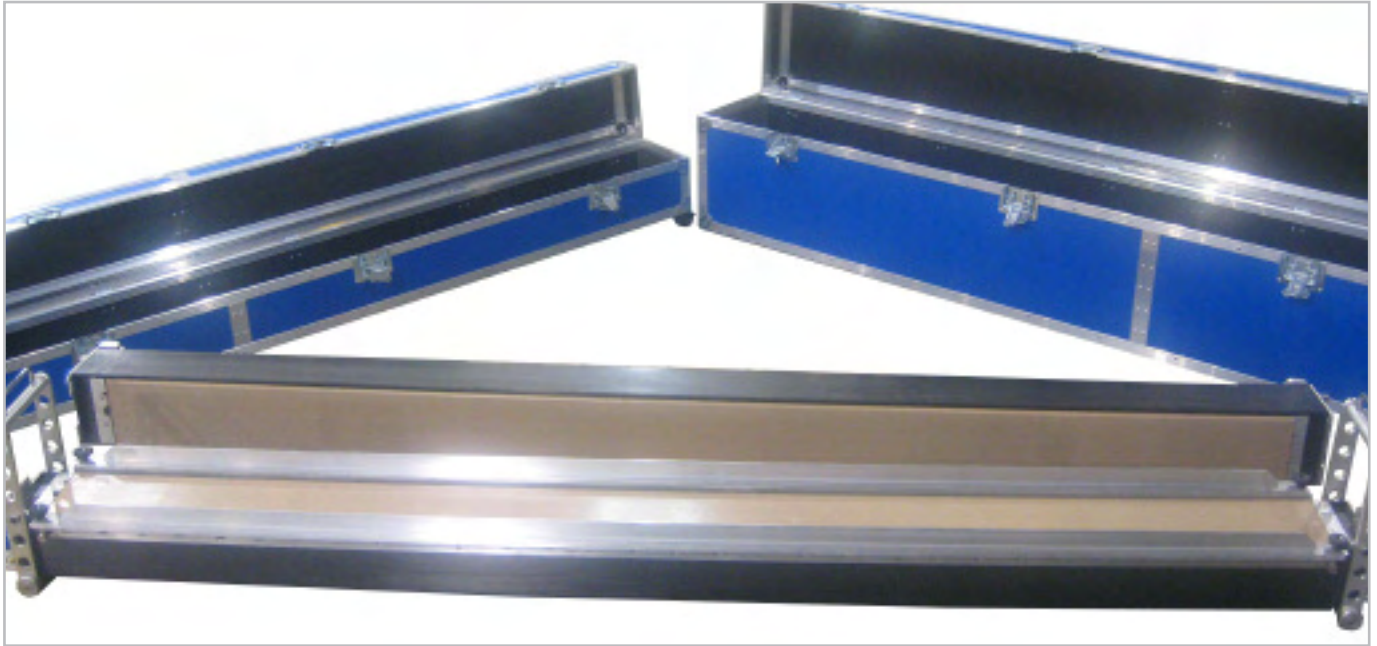


The CFHSP Series, requiring no water, are specifically designed for the highest quality, on-site installation of Habasit Belts. They are constructed to be relatively light and easy to transport expressly for this purpose. They are not designed for every day, shop-level use. All presses in the series have 114 mm platen widths so Step-Flex or 120 mm fingers are not possible. The compressed air supply required is 3 bar (43.5 psi). The separate controller can accommodate 110V or 230V connections (2000 model is 230V only). There are six different sizes in the "separate controller" series:

Model	Maximum Belt Width Capacity 90°	Maximum Belt Width Capacity 70°	Belt Thickness Maximum	Power	Dimensions (LxWxH) (mm)	Dimensions (LxWxH) (inches)	Weight (kg / lbs)
CFHSP400	21"/533 mm	16"/406 mm	5 mm/0.2"	110V & 230V	870x260x400	34"x10"x16"	22 / 49
CFHSP600	26"/660 mm	22"/559 mm	5 mm/0.2"	110V & 230V	1070x260x400	42"x10"x16"	30 / 66
CFHSP1000	42"/1067 mm	39"/991 mm	5 mm/0.2"	110V & 230V	1470x260x400	58"x10"x16"	44 / 97
CFHSP1500	63"/1600 mm	59"/1499 mm	3 mm/0.1"	110V& 230V	1970x260x400	78"x10"x16"	63 / 139
CFHSP1750	72"/1829 mm	67"/1702 mm	3 mm/0.1"	110V& 230V	2220x260x400	87"x10"x16"	77 / 170
CFHSP2000	92"/2337 mm	86"/2185 mm	3 mm/0.1"	230V only	2570x260x400	101"x10"x16"	88 / 194



## The CFHSPIC (integrated controller) Series (standard profile):



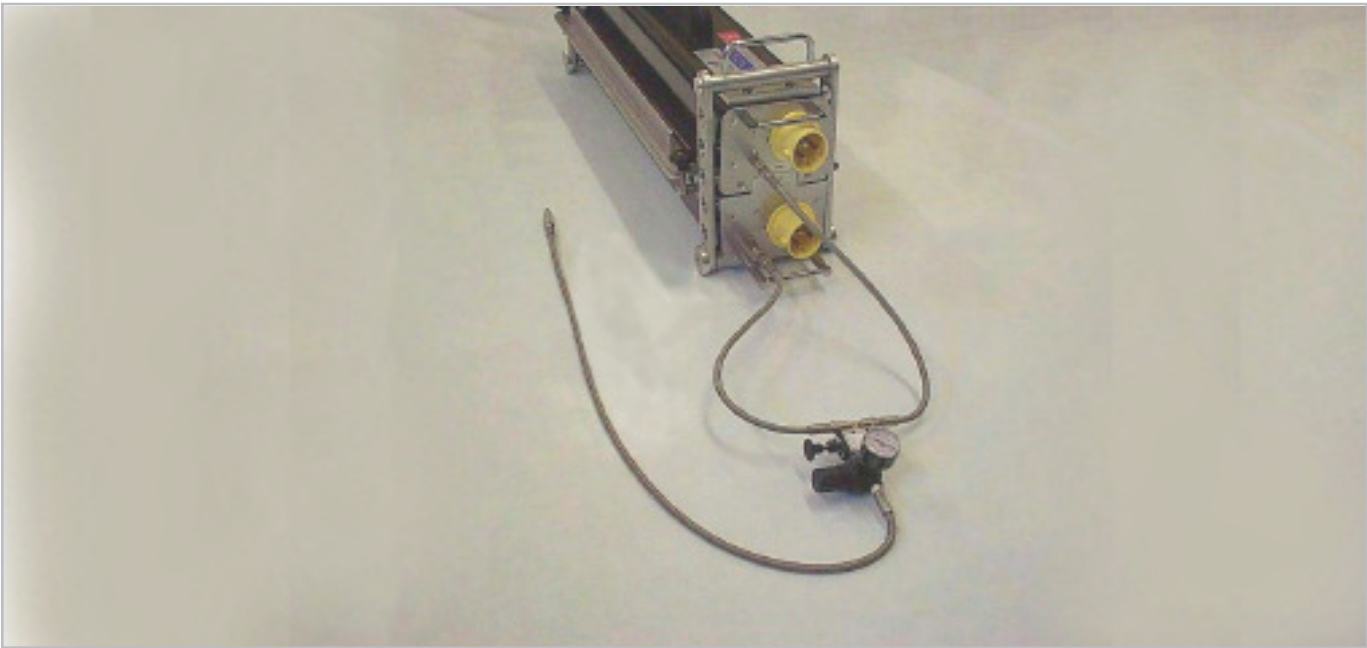
CFHSPIC2000 shown with press halves separated and carrying cases

The CFHSPIC (integrated controller) Series, requiring no water, are specifically designed for the highest quality, on-site installation of Habasit Belts. They are constructed to be relatively light and easy to transport expressly for this purpose. They are not designed for every day, shop-level use. All presses in the series have 114 mm platen widths so Step-Flex or 120 mm fingers are not possible. The compressed air supply required is 3 bar (43.5 psi). The Integrated Controller Series must be ordered as either 110V or 230V (2000 model is 230V only). There are six different sizes in this series that are standard profile:

Model	Maximum Belt Width Capacity 90°	Maximum Belt Width Capacity 70°	Belt Thickness Maximum	Power	Dimensions (LxWxH) (mm)	Dimensions (LxWxH) (inches)	Weight (kg / lbs)
CFHSPIC400	21"/533 mm	16"/406 mm	5 mm/0.2"	110V or 230V	870x260x400	34"x10"x16"	22/49
CFHSPIC600	26"/660 mm	22"/559 mm	5 mm/0.2"	110V or 230V	1070x260x400	42"x10"x16"	30/66
CFHSPIC1000	42"/1067 mm	39"/991 mm	5 mm/0.2"	110V or 230V	1470x260x400	58"x10"x16"	44/97
CFHSPIC1500	63"/1600 mm	59"/1499 mm	3 mm/0.1"	110V or 230V	1970x260x400	78"x10"x16"	63/139
CFHSPIC1750	72"/1829 mm	67"/1702 mm	3 mm/0.1"	110V or 230V	2220x260x400	87"x10"x16"	77/170
CFHSPIC2000	92"/2337 mm	86"/2185 mm	3 mm/0.1"	230V only	2570x260x400	101"x10"x16"	88/194

The CFHSPLPIC (low profile integrated controller) Series:

(carrying case not shown)



Press shown with airlines connected

The CFHSPLPIC (Low Profile Integrated Controller) Series, requiring no water, are specifically designed for the highest quality, on-site installation of Habasit Belts. They are constructed to be relatively light and easy to transport expressly for this purpose. They are not designed for every day, shop-level use. All presses in the series have 114 mm platen widths so Step-Flex or 120 mm fingers are not possible. The compressed air supply required is 3 bar (43.5 psi). The Low Profile Integrated Controller Series must be ordered as either 110V or 230V. There are three different sizes in this series:

Model	Maximum Belt Width Capacity 90°	Maximum Belt Width Capacity 70°	Belt Thickness Maximum	Power	Dimensions (LxWxH) (mm)	Dimensions (LxWxH) (inches)	Weight (kg/lbs)
CFHSPLPIC400	21"/533 mm	16"/406 mm	5 mm/0.2"	110V or 230V	870x260x300	34"x10"x12"	16/35
CFHSPLPIC600	26"/660 mm	22"/559 mm	5 mm/0.2"	110V or 230V	1070x260x300	42"x10"x12"	23/51
CFHSPLPIC1000	42"/1067 mm	39"/991 mm	5 mm/0.2"	110V or 230V	1470x260x300	58"x10"x12"	31/68

## The New Case for the PQ - 58, PF - 61, and PQ - 18 Joining Kits:



The foam within the case has cavities which are tailor-made to accommodate particular tools. This provides sufficient space for the following tools (altogether):

- PQ - 58 – 50 mm Flexproof / Quickmelt Press
- AQ - 40 – 40 mm Quickmelt Cutter
- AF - 102 – 100 mm 8x30 Flexproof Cutter
- CD - 60 – 60 mm Cooling Tongs
- Digital Timer
- Guiderails (e.g. 20, 25, 30, 35mm) incl. clamping device

### HQJK - 01 Quickmelt Joining Kit (PQ - 58 kit without cutter)

Contains the following:

- PQ - 58 – 50 mm Flexproof / Quickmelt Press
- AQ - 40 – 40 mm Quickmelt Cutter
- CD - 60 – 60 mm Cooling Tongs
- Digital Timer
- Plastic Carrying Case

*(guiderails are not included and must be ordered separately depending on the size(s) of belt(s) to be joined)*

### HFJK - 01 Flexproof Joining Kit (PQ - 58 kit)

Contains the following:

- PQ - 58 – 50 mm Flexproof / Quickmelt Press
- AQ - 40 – 40 mm Quickmelt Cutter
- CD - 60 – 60 mm Cooling Tongs
- AF - 102 – 100 mm 8x30 Flexproof Cutter
- Digital Timer
- Plastic Carrying Case

*(guiderails are not included and must be ordered separately depending on the size(s) of belt(s) to be joined)*

# Joining Kits Containing the PF - 61 and PQ - 18 Presses

36

## **Armid Joining Kit (PF - 61 kit without cutter)**

### **AJKE - 01 (imperial) and AJKM - 01 (metric)**

Contains the following:

- PF - 61 - 60 mm Flexproof / Quickmelt Press
- CD - 61 - 60 mm Cooling Tongs
- Adjustable Guide Rails
- Digital Timer
- Plastic Carrying Case

## **Armid Joining Kits (PF - 61 kit with various available cutters)**

### **CMK - 01 (imperial) and CMK - 01M (metric)**

Contains the following:

- PF - 61 - 60 mm Flexproof / Quickmelt Press
- CD - 61 - 60 mm Cooling Tongs
- AF - 100US - 80 – 100 mm 10x80 Flexproof Cutter
- Adjustable Guide Rails
- Digital Timer
- Plastic Carrying Case

### **CMK - 01 - 35 (imperial) and CMK - 01M - 35 (metric)**

Contains the following:

- PF - 61 - 60 mm Flexproof / Quickmelt Press
- CD - 61 - 60 mm Cooling Tongs
- AF - 100US - 35 – 100 mm 10x35 Flexproof Cutter
- Adjustable Guide Rails
- Digital Timer
- Plastic Carrying Case

### **CMK - 01 - 120 (imperial) and CMK - 01M - 120 (metric)**

Contains the following:

- PF - 61 - 60 mm Flexproof / Quickmelt Press
- CD - 61 - 60 mm Cooling Tongs
- AF - 100US - 120 – 100 mm 10x120 Flexproof Cutter
- Adjustable Guide Rails
- Digital Timer
- Plastic Carrying Case

### **PCJK - 01 Polycord Joining Kit (PQ - 18 Kit)**

Contains the following:

- PQ - 18 - Round Belt Press
- S - 16 - Round Belt Cutter
- Digital Timer
- Plastic Carrying Case

## **New PF - 101 Kit (see page 48)**

# Fabrication (shop-level) Machines, Hot-Air Welding

## WB - 301



Belt width max.	300 mm	12 inches
Belt thickness max	6 mm	0.24 inches
Min. endless belt length	400 mm	16 inches
Electric Power Supply	230Vx3, 400V	
Compressed Air Supply	6 bar	87 psi
Dimensions (LxWxH)	1357 mm x 1036 mm x 1543 mm	53" x 41" x 61"
Weight net	350 kg	772 lbs.

The WB - 301 hot air welding machine is an automatic unit for the application of guiding profiles. A new concept of infeed belt and profile permits the perfect high-speed profile application. A tensioning device enables profile application on endless belts as short as 400 mm (16 inches) in length and up. The machine has one welding head with a complete set of standard profile rollers. Other profile rollers can be supplied on request.

## WB - 1201



Belt width max.	1250 mm	50 inches
Electric Power Supply	230Vx3, 400V	
Compressed Air Supply	6 bar	87 psi
Dimensions (LxWxH)	2250 mm x 900 mm x 1550 mm	89" x 35" x 61"
Weight net	670 kg	1477 lbs.

The WB - 1201 is a hot-air welding machine for continuous welding of longitudinal profiles both on the running side (typically v-guides) and on the conveying side (typically side guards). The machine features two welding heads which can be used for application of adhesive and for hot-air welding. The process guarantees optimal adhesion of the profile on the belt and precise positioning of the profile. The WB - 1201 is suitable for medium to high volume fabrication.

WB - 604H



Belt width max.	600 mm	24 inches
Belt thickness max	6 mm	0.24 inches
Electric Power Supply	230Vx3, 400V	
Compressed Air Supply	6 bar	87 psi
Dimensions (LxWxH)	2100 mm x 1200 mm x 2700 mm	84" x 48" x 108"
Weight net	1500 kg	3307 lbs.

The WB - 604H is designed for the high-frequency welding of cleats and profiles to belts. The state-of-the-art high-frequency control unit and precise HF valve gives the operator full control of all parameters of the fabrication, helping to prevent electrical discharges and burns. Quality and productivity are the most important features of this machine. A database permits the saving of welding data sheets. WB - 604H is able to weld all standard profile ranges and optionally corrugated sidewalls with a specific kit. Customized electrodes for special profiles can be supplied on request. **The WB - 1204, a 1200 mm version is also available.**



# Coiling Devices, Roller Cradle Off Reeling Devices

## CH - 1202 and CH - 2402



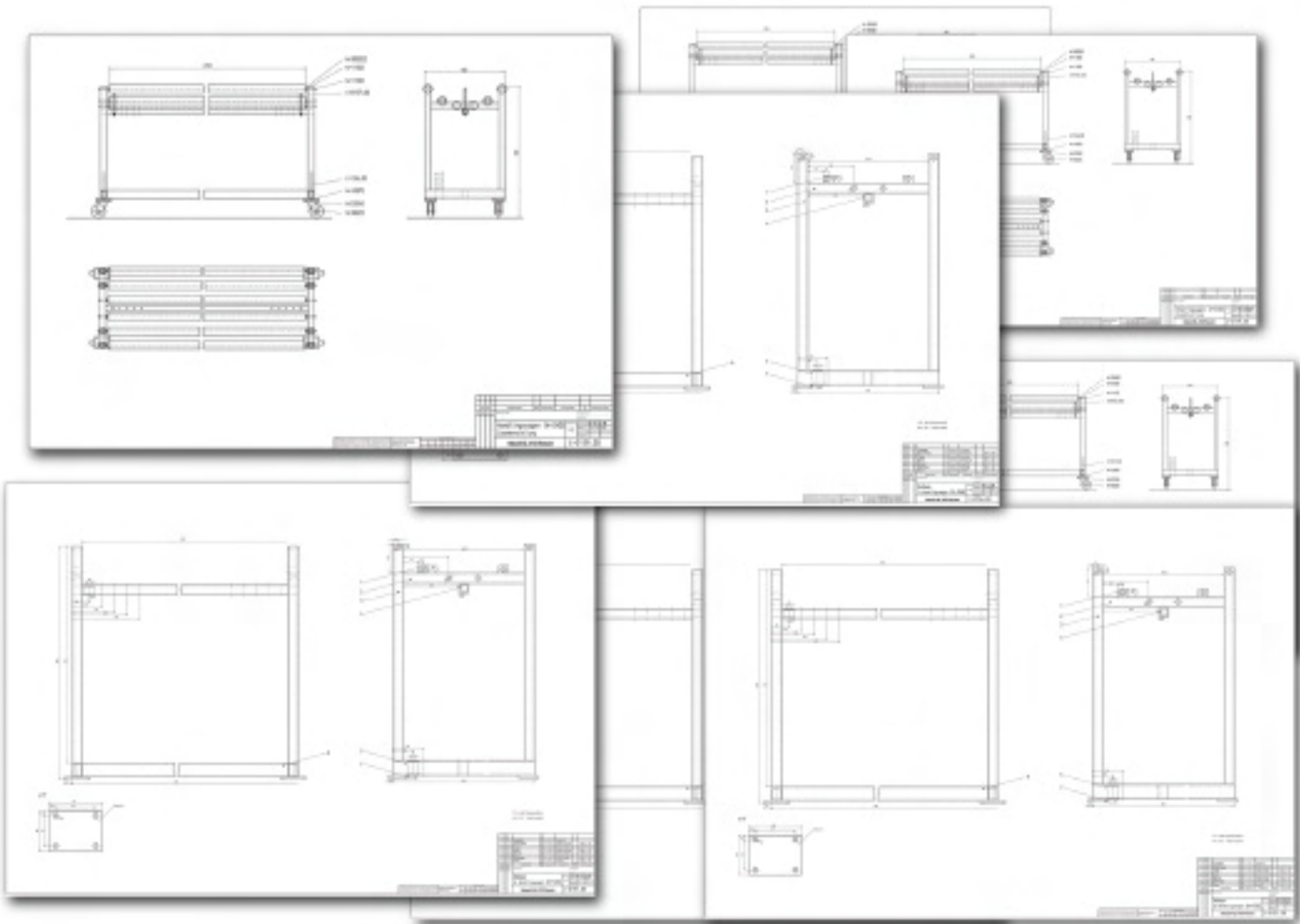
### CH - 1202

Belt width max.	1200 mm	47 inches
Maximum Load (on coil)	300 kg	661 lbs
Dimensions (LxWxH)	1470 mm x 560 mm x 925 mm	58" x 22" x 36"
Weight net	90 kg	198 lbs.

### CH - 2402

Belt width max.	2400 mm	94 inches
Maximum Load (on coil)	400 kg	882 lbs
Dimensions (LxWxH)	2680 mm x 560 mm x 925 mm	106" x 22" x 36"
Weight net	200 kg	441 lbs.

The CH - 1202 and CH - 2402 are roller-cradle type off-reeling and transport devices for belt coils. They feature guide pins to hold the coil in place during off-reeling. They can be located in various positions to accommodate belt width. As this is a low-tech device that may be more cost-effectively produced locally, we offer the option of providing a complete set of drawings for local production. Simply contact your local Habasit representative for a complete drawing set.



CW - 301



Belt width max.	300 mm	12 inches
Maximum Load (on coil)	400 kg	882 lbs
Electric Power Supply	230Vx1, 230Vx3, 400V	
Dimensions (LxWxH)	1000 mm x 870 mm x 1410 mm	39" x 34" x 56"
Weight net	136 kg	229 lbs.

CW - 601



Belt width max.	600 mm	24 inches
Maximum Load (on coil)	800 kg	1764 lbs
Electric Power Supply	230Vx1, 230Vx3, 400V	
Dimensions (LxWxH)	1190 mm x 910 mm x 1410 mm	47" x 36" x 56"
Weight net	162 kg	356 lbs.

These two devices perform the safe reeling from cutting machines of belts up to 300 mm (CW - 301) and 600 mm (CW - 601) wide. The motors have a constant torque over different speeds, guaranteeing the tractive force which is set at the controller.



## PMR - 06



Electric Power Supply	230Vx1, 230Vx3, 400V	
Dimensions (LxWxH)	497 mm x 413 mm x 160 mm	20" x 16" x 6"
Weight net	16 kg	36 lbs.

The regulating unit PMR - 06 is a fully automated controller for hot-pressing devices. It controls all phases of a belt-joining cycle, including water cooling and the subsequent blowing-out of the water by means of compressed air. The PMR - 06 has a graphic display where the operator selects all functions, inserts the joining parameters and controls the complete cycle. Additionally it features two databases: one with standard joining data of most Habasit products and one for the customer's joining data. Both sorts of parameters can be loaded. The PMR-06 is a compact, light, and easy to handle unit. Thanks to multiple connections on the back panel, it allows two modes of usage: stationary (with PMC - 06 cooling unit) or mobile (with mobile cooling unit and mobile air compressor).

## PMR - 07



Electric Power Supply	110V, 230Vx1, 230Vx3, 400V	
Dimensions (LxWxH)	365 mm x 320 mm x 160 mm	15" x 13" x 6"
Weight net	9 kg	20 lbs.

The regulating unit PMR - 07 is a compact, light, and fully automatic controller for hot-pressing devices. It is highly flexible in terms of cycle-phase control. The PMR - 07 regulating unit has been approved for use with presses up to 1000 mm of belt width, mainly in on-site applications where the PMR - 06 is overly sophisticated, big, and expensive. The fully automatic joining cycle only has three quick and simple parameters to load (upper and lower temperatures and joining time). The automatic cooling cycle will stop itself when the cooling set point temperature has been reached. It also has a socket for an external cooling pump which, when controlled by software, stops automatically at the end of the cycle.

PMC - 06



Electric Power Supply	230Vx1	
Dimensions (LxWxH)	265 mm x 134 mm x 222 mm	11" x 5" x 9"
Weight net	3 kg	7 lbs.

PMC - 07



Electric Power Supply	230Vx1	
Dimensions (LxWxH)	255 mm x 156 mm x 319 mm	10" x 6" x 13"
Weight net	3 kg	7 lbs.

The PMC - 06 and PM - 07 are cooling devices used in combination with the PMR - 06 and PMR - 07, respectively. They have actuated valves for the water and compressed air to open and close both the cooling and the air-blowing circuits. There is also a proportional actuated valve to control the air bag pressure.

**HCU - 01 Mobile Cooling Unit (110V) and 691018 (not shown) Mobile Air Compressor (110V)**



**PM - 04/7 Mobile Cooling Unit (230Vx1) and MC - 04/7 Mobile Air Compressor (230Vx1)**



Used for the water circulation and compressed air needs of the water cooled presses in the mobile configuration.

**Guide Rails, Variable Sizes**



**Guide Rails, Adjustable**



Guide rails are used to hold the belt ends in the proper orientation for joining as they are placed into the hot pressing device (where required). Spring clips are included with each guide rail set.

**CD - 60**



**CD - 61**



The CD - 60 and CD - 61 cooling tongs are for use in the cooling of Habasit Belts while still mounted in a guide rail immediately after they have left the hot pressing device. The CD - 60 is for Quickmelt or 80 mm finger Flexproof joining and the CD - 61 is for Flexproof joining of 120 mm fingers. The use of cooling tongs not only speeds up the joining process, but also assures a more uniform, higher-quality joint.

## Slitting - SM - 400FV splitter, 400 mm, see page 9

## Finger Cutting - 16X80 and 16x120 heads for AF - 1201 / 2401 (see page 16):

- Finger geometry: pointed 16 x 80 mm
- Suitable standard applications

Belt Type	Suitability	
	Steel cord	Aramide cord
T5	☺	☺
T10	☺	☺
T20	☹	☹
AT5	☺	☺
AT10	☺	☺
AT20	☹	☹
XL	☺	☺
L	☺	☺
H	☺	☺
XH	☹	☹



- ☺ Suitable
- ☹ Suitable with reduced lifetime an higher pressure
- ☹ Not suitable

### Advantages

- Suitable for the most diffused pitches
- No need for special equipment due to the compatibility with Habasit AF machines (NOT AFZ)
- Limited initial investment – optimal choice for Distributors or small ACs
- Very good duration of special, extra durable carbide knives
- The knives can be re-sharpened 2 or 3 times
- Low cost per punch

- Finger geometry: pointed 16 x 120 mm
- Suitable for high demanding applications

Belt Type	Suitability	
	Steel cord	Aramide cord
T5	☺	☺
T10	☺	☺
T20	☹	☹
AT5	☺	☺
AT10	☹	☺
AT20	☹	☹
XL	☺	☺
L	☺	☺
H	☺	☺
XH	☹	☹



- ☺ Suitable
- ☹ Suitable with reduced lifetime an higher pressure
- ☹ Not suitable

- Before you start punching timing belts on the AF cutter (see page 12) you have to remove the plastic cutting pad and replace it with the aluminum one.



Extraction of the plastic cutting pad on the AF - 1201



Aluminum cutting pad

## **PF - 150C - Semi-Automated Stationary Kit (Low-Volume Fabrication):**

- PF - 150C Hot Pressing Device (can be used alone for on-site installations)
- PMR - 07 Control Unit (120V or 230Vx1)
- PMC - 07 Cooling Unit
- Torque Wrench
- Cables and Hoses



PFC - 150C



PMR - 07



PMC - 07

## **PF - 150W - Automated Workshop Kit (featuring PF - 150CW Pneumatic Press) (High-Volume Fabrication):**

- PF - 150C Hot Pressing Device
- PF - 150CW Pneumatic Press Stand (used in conjunction with PF - 150C hot pressing device)
- PMR - 07 Control Unit (120V or 230Vx1)
- PMC - 07 Cooling Unit
- Cables and Hoses



PFC - 150C



PMR - 07



PMC - 07



PF - 150CW

# Joining Kit Containing the PF - 101 Press

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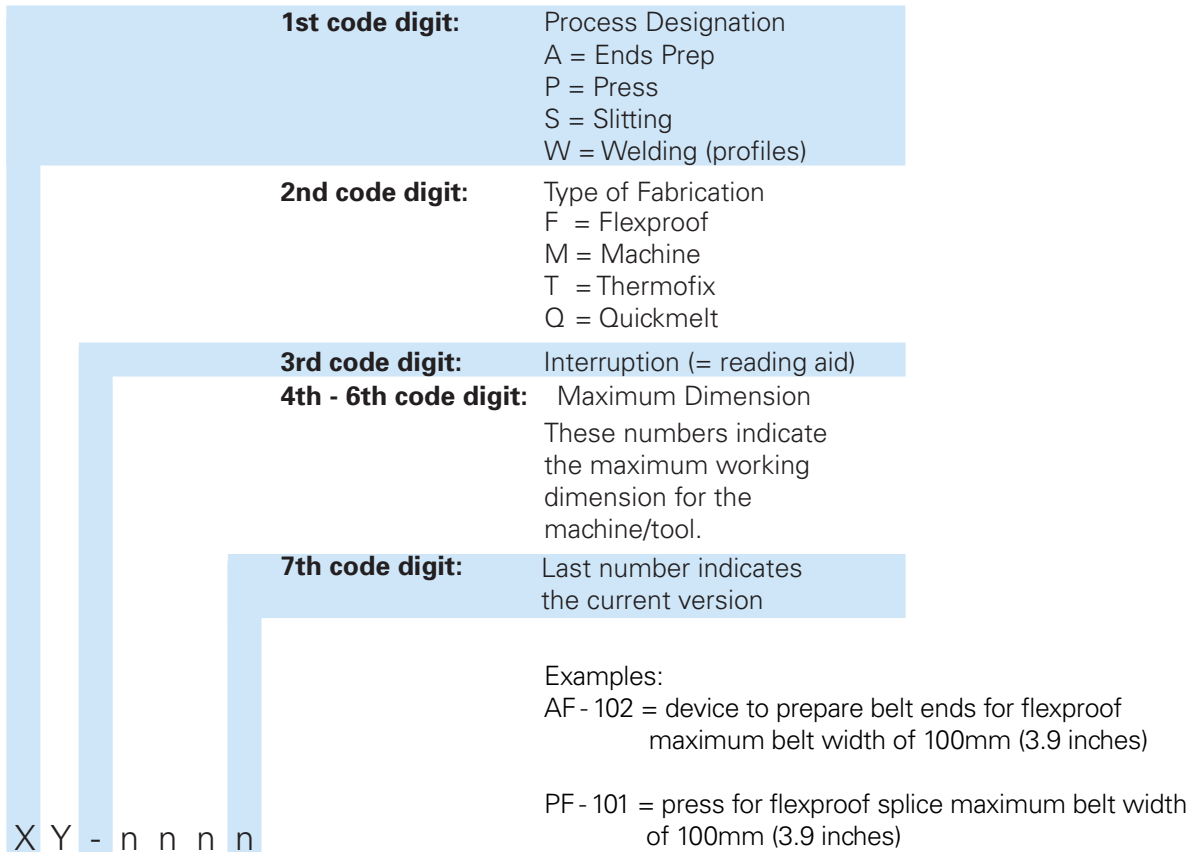
## The New PF - 101 Kit:



The kit is shown here with the PF - 101 press (and controller) and the CD - 61 cooling tongs for the joining of timing belts. However, the foam within the case has room to accommodate additional tools such as the AQ - 40 or AF - 102.



## Codes for HabaTOOL™ Machines and Tools



## New Process Designation Being Implemented for Presses

Part Number / Platen Width / Voltage

Examples:

- PM - 806/100/230V = PM - 806 Press with 100 mm wide platen and 230V Power
- PM - 806/160/400V = PM - 806 Press with 160 mm wide platen and 400V Power

## Choosing a Press\*

- Read the Joining Data Sheet for specific instructions and pressing details.
- Which type of joint? Thermofix, Flexproof, Quickmelt?
- Heat required on 1 or 2 sides?
- If heat is required on both sides, is it the same heat top and bottom?
- Are there electrical, water line, or compressed air limitations?
- Are there space restrictions?

\*To place an order, please know your platen width, voltage, and stationary or mobile requirements.  
(stationary = standard configuration: press, controller, and water control unit)  
(mobile = press, controller, mobile water cooling unit, and mobile air compressor)

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